

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 10/05/2017 12:02 PM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123896	-1	1.92	123734	1.88
Blue	F	SSC	125000	123631	-2	3.34	123958	3.17
Blue	E	FITC	23795	23141	-3	2.83	1034	10.48
Blue	D	PE	29673	29329	-2	2.41	1052	10.11
Blue	B	PerCP-Cy5-5	48943	48169	-2	3.81	1382	17.39
Blue	A	PE-Cy7	44112	44328	0	5.58	688	36.64
Red	C	APC	54273	53559	-2	2.78	3079	9.58
Red	A	APC-Cy7	54945	54020	-2	2.70	1126	10.94
Violet	B	V450	15756	14837	-6	3.83	706	9.10
Violet	A	V500	62569	61016	-3	3.66	2704	6.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19127	3.80	613	-1	N/A	N/A	Pass
Blue	F	SSC	60959	1.73	550	4	N/A	N/A	Pass
Blue	E	FITC	114	39.65	551	1	0.0201	161	Pass
Blue	D	PE	229	29.99	550	4	0.1549	257	Pass
Blue	B	PerCP-Cy5-5	214	46.04	640	1	0.0096	82	Pass
Blue	A	PE-Cy7	73	126.69	697	-2	0.0112	19	Pass
Red	C	APC	362	27.26	598	-2	0.0196	21	Pass
Red	A	APC-Cy7	122	40.95	575	-9	0.0060	1935	Pass
Violet	B	V450	86	42.36	473	1	0.0436	1793	Pass
Violet	A	V500	195	22.81	502	3	0.0130	183	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.39	-31.04	0.89
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	17.88	13.27 - 19.91	N/A	N/A	31.30	31.50	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10966

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments